19 responses

View all responses

Summary

Name of Event/Course

Data Carpentry

Reproducible Research Workshop

Software Carpentry

NIMBioS/SAMSI/ESA Graduate Workshop on Current Issues in Statistical Ecology

EEID meeting workshops

Computational Methods Applied to Biological Systems

Programming for Biologists

Tutorials

Data Carpentry Semester

Computational Summer Institute

Managing Natural History Collections Data for Global Discoverability

ESIP Data Management Short Course

Software Carpentry Workshop

Open Source Comes to Campus

Ecosystem Dynamics

Open Science for Synthesis (OSS)

Data Carpentry Workshops

Data Science Curriculum

NEON Summer Institute

Organization

EEID conference organizers

OpenHatch

none yet

Data Carpentry

Software Carpentry

Software Carpentry Foundation

University of Florida & Data Carpentry

Utah State University

UC Berkeley

iDigBio

NEON

NCEAS

NIMBioS

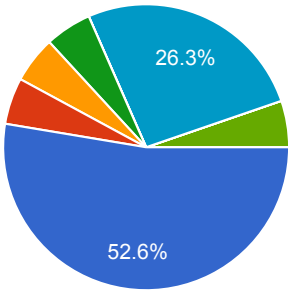
ESIP Federation/Foundation for Earth Science

University of New Mexico

University of Puerto Rico at Humacao

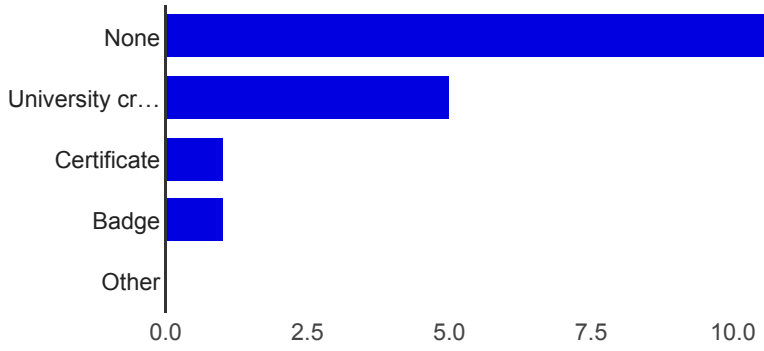
SESYNC

Duration of Event



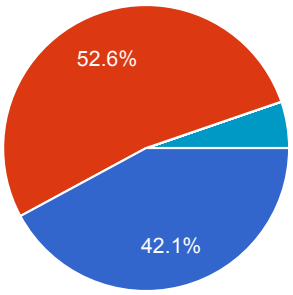
1-3 Days	**10**	52.6%
1 Week	**1**	5.3%
2 Weeks	**1**	5.3%
3 Weeks	**1**	5.3%
Quarter	**0**	0%
Semester	**5**	26.3%
Year	**0**	0%
Other	**1**	5.3%

Credit



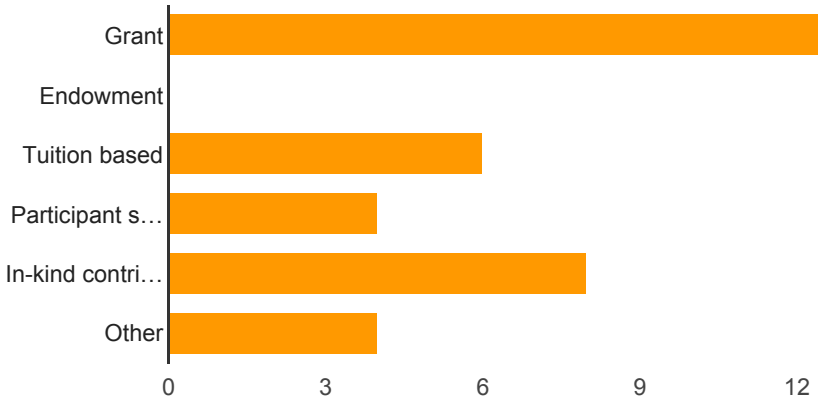
None	**12**	63.2%
University credit	**5**	26.3%
Certificate	**1**	5.3%
Badge	**1**	5.3%
Other	**0**	0%

Organization Type



Not-for-profit	**8**	42.1%
University	**10**	52.6%
For-profit Corporation	**0**	0%
Federal agency	**0**	0%
State agency	**0**	0%
Other	**1**	5.3%

Funding Model



Grant	**13**	68.4%
Endowment	**0**	0%
Tuition based	**6**	31.6%
Participant self-funded	**4**	21.1%
In-kind contributions (e.g., teaching time)	**8**	42.1%
Other	**4**	21.1%

Example Funding Sources

universities, Moore Foundation

We are still figuring out a long term model for this event.

Sloan Foundation

NSF (NIMBioS and SAMSI)

NASA Space Grant, USDA Forest Service, AAC&U TIDES

NSF BIO Center supplemental grant

Local events vary, ours was sponsored by RedHat

universities, grants

NSF

NSF grant

NOAA

Gordon & Betty Moore Foundation

Selection Process

Application	**7**	36.8%
First come, first served	**11**	57.9%
Other	**3**	15.8%

Prerequisites

PhD/postdoc level; basic stats and R skills.

It's a mix - generally some programming skills, but they try to be very broad about what skills can contribute to open source projects (included some graphic designers, content developers, etc)

Thus far, we've not had any prerequisites in terms of technical knowledge. The content and audience for the workshops has varied. Each of the three workshops of this type we've run required students to have a project they want to make progress on using the tools that are taught. Instruction level is aimed at graduate students and above.

Pre-Calculus, General Biology

None

some programming experience

Grad students in ecology with background in basic statistics and facing challenges in

using current statistical research in carried out their thesis/dissertation.

Varies depending upon activity

none

Basic Ecology

We expect participants to have some background knowledge working with data. But we do not cater towards beginners or advanced participants. (still figuring this out).

Targeted at graduate students, postdocs, and early career faculty. Basic background in statistics and analysis required. Generally some basic exposure to stats programming in one or more languages such as R is required.

Target Audience

Undergraduate students

Undergraduate and graduate students in biology

Generally Grad students, postdocs and faculty, some NGO or Govt agencies

natural history collections specialists

Science or Math Undergraduates

Ecology grad students

multiple (ecology, engineering, hydrology, econ, sociology, anthropology, geography)

Postdocs, Faculty, Grad students in ecology and environmental science

All freshmem

Graduate Students, Post Docs, Early Career Scientists

ecology, biology, genomics, earth sciences

scientist

Scientists

any

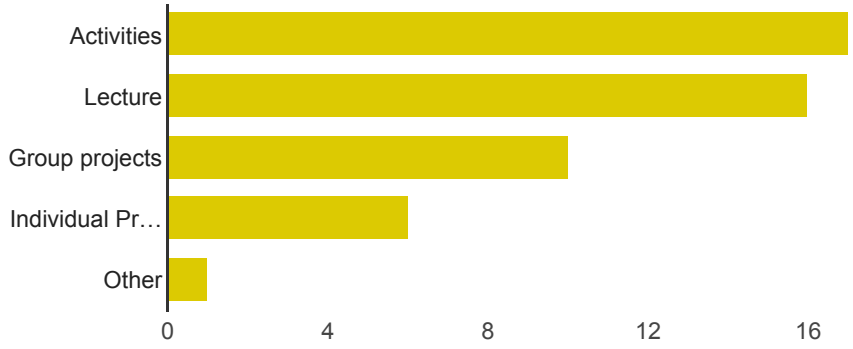
Graduate students in biology (planning to add undergrads as well)

Scientists (mostly graduate students)

disease ecologists/evolutionists

Undergraduates

Event Format



Course Overview site (link)

http://campus.openhatch.org/

https://www.nceas.ucsb.edu/OSS

http://datacarpentry.github.io/semester-biology/

http://www.nimbios.org/education/WS_gradconf2015

http://datacarpentry.org

https://www.idigbio.org/wiki/index.php/Managing_Natural_History_Collections_Data_for_Globa

http://software-carpentry.org

http://eeidconference.org/EEID2012/index.php?nav=workshops

http://reproducible-science-curriculum.github.io/2015-05-14-reproducible-science-duke/

http://www.nimbios.org/tutorials/

http://www.programmingforbiologists.org/

http://sesync-ci.github.io/CSI-2015/

http://software-carpentry.org/faq.html

http://commons.esipfed.org/datamanagementshortcourse

Databears.Berkeley.edu

in development

https://docs.google.com/document/d/1uvmkVg5zGm_7yBmOQclZoLasRcVf6srdGJC7u4sMM
usp=sharing

Course Content (link)

http://datacarpentry.github.io/semester-biology/

https://github.com/NCEAS/training

https://www.youtube.com/playlist?list=PLRyq_4VPZ9g8cB0rAVYlsNgCCOSXFKwwt

http://github.com/swcarpentry

https://www.idigbio.org/wiki/index.php/Managing_Natural_History_Collections_Data_for_Globa

https://github.com/reproducible-science-curriculum

https://openhatch.org/wiki/Open_Source_Comes_to_Campus/Curriculum

http://github.com/datacarpentry

http://www.programmingforbiologists.org/

https://github.com/SESYNC-ci/CSI-2015/tree/master

http://software-carpentry.org/lessons.html

http://commons.esipfed.org/datamanagementshortcourse

http://ms.mcmaster.ca/~bolker/eeid/

in development

http://datacarpentry.github.io/lessons/

http://cursosenlinea.uprh.edu/login/index.php

Course topics

Topic: Collaboration techniques

25

2

0

5

10

Topic: Open Science Principles

2

0

5

15

20

10

50

Topic: Science Communication

2

0

5

10

Topic: Data management principles and background

35

0

30

5

4

15

20

100

10

Topic: Data manipulation and integration

40

0

30

20

10

Topic: Data analysis and modeling

0

30

5

20

10

80

45

50

Topic: Software development

0

5

15

20

10

55

50

Topic: Visualization

0

30

5

15

10

Topic: Other

working with raw sensor data, remote sensing, etc

0

5

15

100

10

List of other topics

25

Reporting, Scientific Writing, Critical Thinking

spatial data

HPC and R

Note that the % of the above vary depending upon the tutorial

Meta

Submitter Name

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Lauren Hallett

Tracy Teal

Leah Wasser

Ethan White

Carl Boettiger

Number of daily responses